

## PATENT SPECIFICATION

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## DRAWINGS ATTACHED

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## (54) AN IMPROVED STOP FOR DOORS AND THE LIKE

(71) We, HILARY PAGE SENSIBLE TOYS LIMITED, a British Company of Godstone Road, Kenley, Surrey, CR2 5VS, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention concerns a stop for doors and the like. The object of the invention is to provide stop means which will prevent a door from closing fully and thus provide a safety means preventing a person's fingers from being caught accidentally between a door edge and door jamb.

According to the invention, the stop consists of a generally C-shaped member of an elastomeric material and comprising two end parts and a base part uniting said end parts the one of said end parts having an inner surface substantially at a right angle to the inner surface of the base the other having an inner surface acutely inclined to said inner surface of the base, said other end part being of a thickness such that it is flexible and can be readily bent away from the one end part to provide an entry into the member whereby it can be engaged on a door from an edge, and retained by inherent resilience, with an outer surface of the said one part adapted to abut the adjacent door frame on the closing of the door.

When the member is engaged on a door edge, the edge surface of the door bears on the inner base surface and the inner surface of the one part on the side of the door nearest the door jambs. The inner surface of the other or flexible part bears on the other side of the door.

Preferably, the one part is of a general triangular or wedge shape its outer surface meeting the outer base surface by a bevel or round-off, this bevel or round off forming the striking surface. The width of this one part i.e. from the base to the bevel is sufficient to provide adequate buffer effect and leave a gap between the door and jamb should the door be pushed to close, sufficient to ensure fingers, especially a child's fingers, cannot be trapped.

An embodiment of a stop according to the invention is illustrated in the accompanying drawings in which

Figure 1 is a perspective view of the stop and

Figure 2 a perspective view showing the stop on the top edge of a door.

As shown the stop is of a general C-shape with a base 10, one end part or buffer 11, and the other end or flexible part 12. The stop is of rubber or other elastomeric material so that the part 12 can be flexed away from the part 11.

The inner base surface 10a is substantially at right-angles with the inner buffer surface 11a and the inner surface 12a of the part 12 is at an acute angle to the said surface 10a. In use, the part 12 can be flexed back from the part 10 easily enabling the stop to be engaged on an edge of a door D as in Fig. 2. The junction between the outer base and the outer buffer surfaces is rounded forming a buffing surface 11b and the width of the buffer part 11 ensures a sufficient spacing between the door edge D and jamb J to avoid fingers being crushed between the door and jamb at the open side and afford some protections against crushing at the opposite (hinged) side.

If the stop is not required for use, it can be engaged in a stored position on a door handle or other convenient support. In this case the concave junction 13 between the base 10 and part 12 can hang on a horizontal support with the part 11 which is heavier than the part 12 extending downwardly.

The stop can be fitted to the free vertical or horizontal top edge of a door.

## WHAT WE CLAIM IS:—

1. A door stop consisting of a generally C-shaped member of an elastomeric material and comprising two end parts and a base part uniting said end parts. The one of said end parts having an inner surface substantially at a right angle to the inner surface of the base the other having an inner surface acutely inclined to said inner surface of the base, said other end part being of a thickness such that it is flexible and can be readily bent away from the one end part to provide an

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5 entry into the member whereby it can  
be engaged on a door from an edge,  
and retained by inherent resilience, with an  
outer surface of the said one part adapted  
to abut the adjacent doorway frame on the  
closing of the door.

10 2. A door stop as claimed in Claim 1,  
wherein the one said end is of triangular or  
wedge shape of a width sufficient to provide  
adequate buffer effect and to leave a gap  
between a door and jamb should the door be  
pushed to close.

3. A door stop as claimed in Claim 1 or 2,

wherein the junction between the flexible part  
and base is concave, so that the stop can be  
suspended on a support when not in use.

15 4. A door stop substantially as herein  
described with reference to the accompanying  
drawings.

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COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of  
the Original on a reduced scale

